

## Environmental Data for Overseas Plants

### Lion daily Necessities Chemicals (Qingdao) Co., Ltd.

Location: Qingdao (China)

Lines of Business: Toothpastes and toothbrushes

Category	Year			
	2007	2008	2009	2010
CO <sub>2</sub> emissions	1,744	1,533	1,668	1,566
Total waste generation	89	344	130	262
Final waste disposal	57	187	50	162
SOx emissions	0	0	0	0
NOx emissions	0	0	0	0
COD emissions	2	2	2	2

### CJ Lion Corporation

Location: Incheon (Korea)

Lines of Business: Laundry detergents, dishwashing detergents, toothpastes, toothbrushes, and hair and skin care products, etc.

Category	Year			
	2007	2008	2009	2010
CO <sub>2</sub> emissions	17,274	15,791	16,354	16,667
Total waste generation	856	1,366	501	708
Final waste disposal	536	512	459	451
SOx emissions	1	1	1	1
NOx emissions	0	0	0	0
COD emissions	0	0	0	0

### Lion Chemical Industry (Taiwan) Co., Ltd.

Location: Wugu, Kannon (Taiwan)

Lines of Business: Laundry detergents, dishwashing detergents, toothpastes, toothbrushes, and skin care products, surfactants, etc.

Category	Year			
	2007	2008	2009	2010
CO <sub>2</sub> emissions	4,668	3,942	4,124	4,135
Total waste generation	90	88	111	108
Final waste disposal	48	48	65	70
SOx emissions	3	5	2	3
NOx emissions	3	4	3	2
COD emissions	15	11	6	0

### Lion Corporation (Thailand) Ltd.

Location: Sriracha (Thailand)

Lines of Business: Laundry detergents, dishwashing detergents, toothpastes, toothbrushes, and hair and skin care products, etc.

Category	Year			
	2007	2008	2009	2010
CO <sub>2</sub> emissions	20,846	22,661	26,793	28,750
Total waste generation	948	2,316	2,299	2,551
Final waste disposal		1,332	1,240	1,315
SOx emissions	1	2	0	1
NOx emissions	17	6	11	5
COD emissions	1	4	1	8

\*CJ Lion (Korea) calculates its CO<sub>2</sub> emissions by using Korea's calorific value conversion factor for each fuel and electricity as well as the conversion factor for CO<sub>2</sub> emission amount.

\*The calculation method for CO<sub>2</sub> emission amount outside of CJ Lion, the The Japan Electrical Manufacturers' Association's (JEMA) "The Estimated Report for the Power Sector and CO<sub>2</sub> Basic Unit for Emission(Ver. 3) (2006)" was used. The calculation method for CO<sub>2</sub> emission amount for fuel other than electricity, the calorific value conversion factor for CO<sub>2</sub> emission amount within Japan included in the Ministry of the Environment's "Calculation Method and Report for Greenhouse Gas Emission (Ver.3.1) (2010)" was used.